

Initial situation and problem

In farmers suffer from inaccurate and imprecise yield prediction

In one potential tool is the rising plate meter

In prediction is influenced by:

In region

In the problem

In t

2



Materials and methods

- on-farm research at four organic test farms in the Black Forest
- RPM measurements and cutting of samples for dry matter yield determination
- samples are divided depending on
 - 1. sward type (grass-rich, balanced, clover- and herb-rich)
 - **2**. **growing period** (1st period, 2nd period, 3rd period)
- nine specific prediction equations derived for this region





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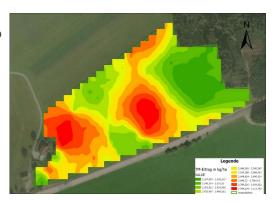


3



Results and conclusion

- on-farm research is necessary to develop region-, period- and sward-specific prediction equations
- prediction equations are stored in a database
- geoprocessing is useful to apply specific prediction equations
- site-specific management can be implemented based on yield maps



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4



literature

[1] unesco.de [2] nwzonline.de [3] nabu.de

[4] landwirtschaftskammer.de

Paul Phelan; James Humphreys; Imelda Casey; Dr Eddy Fitzgerald: Aspects of grazing management to improve productivity and persistence of white clover in Irish grassland. Unpublished 2013, DOI: 10.13140/2.1.4391.4240 [5]

